

1. (original) An image displayer of a multi-screen system, which is comprised of at least two image displayers, each image displayer comprising:

a display; and

a scaler for selecting a video signal corresponding to a predetermined area of the display based on an externally transmitted control signal, and enlarging the selected video signal according to a size of the display.

2. (original) The image displayer of claim 1, wherein the scaler comprises:

a signal selecting unit for selecting a predetermined area of the video signal; and

a scaling unit for enlarging the video signal selected by the signal selecting unit according to the size of the display.

3. (original) The image displayer of claim 2, wherein the signal selecting unit comprises:

a buffer for storing the video signal for a predetermined time, and then outputting the video signal to the scaling unit;

a set value storing unit for storing a plurality of set values for the multi-screen function;  
and

a buffer control unit for selecting the predetermined area of the video signal stored in the buffer in response to one of the plurality of set values stored in the set value storing unit.

4. (original) The image displayer of claim 3, further comprising a control unit for selecting one of the plurality of set values stored in the set value storing unit in response to an externally transmitted control signal.

5. (original) The image displayer of claim 4, further comprising an On-Screen Display OSD unit for displaying a predetermined font on the display according to the control signal, and controlling the multi-screen function on an OSD window.

6. (original) The image displayer of claim 5, wherein the control signal is generated by a setting key attached to a remote controller or the image displayer.

7. (original) The image displayer of claim 1, further comprising a video decoder for performing an analog-to-digital conversion with respect to the video signal and outputting the video signal to the scaler.

8. (currently amended) An image displayer of a multi-screen player, which is comprised of at least two image displayers, each of the at least two image displayers comprising:

a video signal selecting unit for selecting a video signal to display in a predetermined area of a display in response to externally transmitted control signals;

a buffer for receiving the video signal selected by the video signal selecting unit and re-ordering the video signal by an order of input; and

a scaler for scaling the video signal re-arranged by the buffer.

9. (original) The image displayer of claim 8, wherein the video signal selecting unit comprises:

a first selecting unit for selecting a predetermined area of the video signal added to a horizontal sync signal of the video signal; and

a second selecting unit for selecting a predetermined area of the video signal added to a vertical sync signal of the video signal.

10. (currently amended): ~~The image displayer of claim 9;~~ An image displayer comprising:

a video signal selecting unit for selecting a video signal to display in a predetermined area of a display in response to externally transmitted control signals;

a buffer for receiving the video signal selected by the video signal selecting unit and re-ordering the video signal by an order of input; and

a scaler for scaling the video signal re-arranged by the buffer

wherein the video signal selecting unit comprises:

a first selecting unit for selecting a predetermined area of the video signal added to a horizontal sync signal of the video signal; and

a second selecting unit for selecting a predetermined area of the video signal added to a vertical sync signal of the video signal; and

wherein the first selecting unit comprises:

a first initial value storing unit for storing a plurality of initial values for the selection of the predetermined area of the video signal and added to the horizontal sync signal;

a first multiplexer for selecting one of the initial values stored in the first initial value storing unit in response to a first externally transmitted control signal;

a first counter for generating a pulse of a predetermined period based on the initial value selected by the first multiplexer; and

a first circuit for performing a masking with respect to the video signal using the pulse outputted from the first counter and outputting only a desired area of the video signal.

11. (currently amended): ~~The image displayer of claim 9,~~ An image displayer comprising:

a video signal selecting unit for selecting a video signal to display in a predetermined area of a display in response to externally transmitted control signals;

a buffer for receiving the video signal selected by the video signal selecting unit and re-ordering the video signal by an order of input; and

a scaler for scaling the video signal re-arranged by the buffer

wherein the video signal selecting unit comprises:

a first selecting unit for selecting a predetermined area of the video signal added to a horizontal sync signal of the video signal; and

a second selecting unit for selecting a predetermined area of the video signal added to a vertical sync signal of the video signal; and

wherein the second selecting unit comprises:

a second initial value storing unit for storing a plurality of initial values for the selection of the predetermined area of the video signal and added to the vertical sync signal;

a second multiplexer for selecting one of the initial values stored in the second initial value storing unit in response to a second externally transmitted control signal;

a second counter for generating a pulse of a predetermined period according to the initial value selected by the second multiplexer; and

a second circuit for performing a masking with respect to the video signal using the pulse output from the second counter, thereby outputting only a desired area of the video signal.

12. (original) The image displayer of claim 8, further comprising an On-Screen Display (OSD) unit for displaying a predetermined font on the display in response to the externally transmitted control signal so that the multi-screen function can be controlled on the OSD.

13. (original) The image displayer of claim 10, wherein the first circuit is an exclusive-OR gate.

14. (original) The image displayer of claim 11, wherein the second circuit is an exclusive-OR gate.